



Insights to Improve Critical Care Quality & Outcomes in Your Unit

What We Do

VPS, LLC brings together a community of pediatric critical care colleagues who are **dedicated to standardized data sharing, benchmarking, quality improvement and research among pediatric ICUs to improve the care of their patients.** Participants commit to the collection of high-quality data elements that are important to understand, evaluate and improve care and outcomes for critically ill children using comparable and customizable reports and dashboards. The VPS Community collaborates to compare data, determine best practices and improve the overall quality of pediatric critical care.

A Valued Resource for Critical Care Nurse Managers

Quality

Understand the Current State of Your PICU and Improve Quality, Safety and Efficiency with Valid, Comprehensive Clinical Data

Examples include **Discharge Delay, Bed Turnover and the Impact of Admission and Discharge Activity Over Time.**

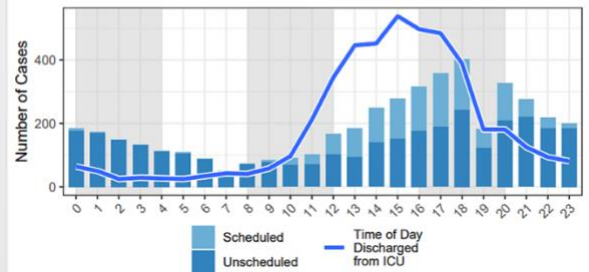
Case Study: Akron Children's Hospital has followed trends in quarterly bed and 24h turnover as ICUs have been used to extend emergency triage. This data impacts staffing models to place the right team around the right patient.

Case Study: Children's Medical Center Dallas uses this information to work with nursing colleagues to buffer staffing when patient discharge and admissions are high.

Track Quality Metrics Related to Nutrition Status

Explore Associations Between Nutrition Metrics and Clinical Outcomes

Provides a foundation for local and national collaborative QI projects related to nutrition. Participation ensures the Joint Commission's nutritional guidelines are being met.



Administrative

Get an Overall Picture of the Patients in Your Unit to Ensure Proper Staffing, Issues with Resource Utilization, Safety and Benchmarking

Leverage Operational Data to Improve Patient Flow and Capacity Challenges

Justify Requests for Additional Staff and Matrix Acuity Using Trend Data

Improve Accuracy and Completeness of Documentation Which Affect Case Mix and Hospital Billing

Critical Care Program Performance Reports

Customizable & Comprehensive Reports

Provide clinicians and administrators with:

- ▶ Support for key initiatives: quality improvement, outcomes enhancement, accreditation (Joint Commission, Leapfrog), board and community-level administrative reports, clinical transformation, budgeting and strategic planning.
- ▶ Administration-level reports uniquely packaged and customizable for review by hospital administration and Board of Directors.
- ▶ **Case Study:** Helen DeVos Hospital developed timely, effective responses to novel challenges (e.g. COVID-19) with accurate, real-time national data.

The VPS Difference

The Largest Pediatric ICU Clinical Database With 1,500,000+ Patient Records From 200+ Institutions

Developed by Pediatric Intensivist Pioneers for All Pediatric Intensivists in Pediatric Critical Care Medicine

Only Pediatric ICU Database Using Validated Severity of Illness Scores (PIM3, PRISM III, PRISM IV, PICSIM, and STS-EACTS)

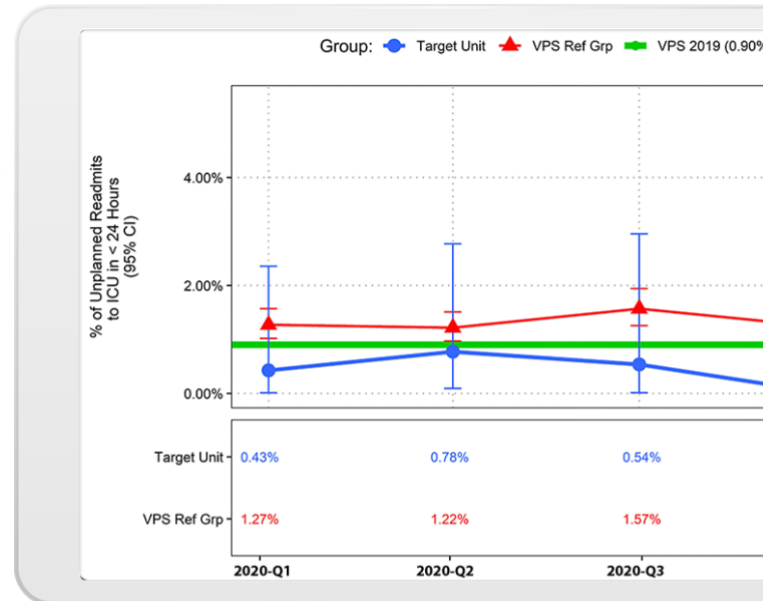
Web-Based Registry with Instant Access to Comparable Data for Your Own Institution to Leverage

Customizable Data Collection and Validation Profiles to Meet the Unique Needs of Individual Units

Data Elements Covering the Complete Continuum of Care from PICU Admission Through Discharge

Virtual Pediatric Systems, LLC

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What Clinicians Are Saying

VPS is a vital piece of Children's Hospital & Medical Center's PICU data analysis. The severity, acuity, and annual report information has driven Children's Hospital & Medical Center's staffing needs as well as multiple other performance improvement projects. In my opinion, the VPS team has no rival in their responsiveness, ingenuity, skill, and management of such a large and robust database.



Katie Nielsen, BSN, RN, CPN
Patient Safety Coordinator
Performance Improvement
Children's Hospital & Medical Center

VPS provides an overall picture of all the patients in the unit. Trends or signals in the data can easily be determined and the intensivist or the Nurse Manager can be notified. VPS is an additional safety component and can notate if there's an increase in unplanned extubations or other concerning trends.



Justine O'Flynn, RN
Data System Analyst
Just for Kids Critical Care
Norton Children's Hospital

When we began to make the case for more physician, APP, nursing or respiratory staff, we demonstrated beyond units of service and RVU what acuity and volume does to outcomes. This is not something that can be done with only RVUs as it needs the clinical data, too. VPS is an intuitive tool; a quick way to provide an overview of what has been done and what needs to be done.



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